

---

### **REMARKS**

As noted above, the present application is a Continuation of U.S. Application Serial No. 09/379,983, filed on July 11, 2002, the specification of which is incorporated herein by reference.

Claims 1, 13, 29, 36, 38, and 43 have been amended, no claims have been cancelled, claims 46-53 have been added; as such, claims 1-53 are presently pending in the case.

During prosecution of the Parent application, an office action dated March 25, 2003, (the "office action") rejected claims 1, 11, 12, 29, 36, 42-45, 51 and 53 under 103(a) as being unpatentable over Loce et al. further in view of the IBM Technical Disclosure Bulletin entitled "Interpolating Images to higher resolution using a "Feedforward 'Nnerual' Network." In that same office action, the Examiner objected to claims 46-50 and 52 indicating they contained subject matter that would be allowable if combined with the elements and limitations of their respective base independent claims and any intervening claims.

In the interest of furthering the prosecution of the Parent case the Applicant placed the objected to subject matter into condition for immediate allowance and cancelled those claims which stood rejected in the office action. The present preliminary amendment addresses additional allowable subject matter as supported by the specification of the Parent case as originally filed.

In the present Continuation, Applicant's independent claims 1, 13, 29 and 36, currently amended, recite allowable subject matter. By way of example and not by way of limitation, independent claims 1, 13, 29 and 36 recite "generating or computing a plurality of cluster vectors from different regions of the low-resolution files" and "generating or computing a plurality of representative vectors from the cluster vectors." Similar subject matter was previously indicated as allowable in connection with the above referenced office action (dependent claim 46 in the Parent case).

As such, Applicant believes that independent claims 1, 13, 29 and 36, as amended, are allowable. Applicant respectfully requests consideration of the same upon consideration of the present continuation.

### **New Claims**

Applicant has added new claims 46-53. Those claims are added to further illustrate distinguishing features of the present application. Claims 46-53 are fully supported by the specification as originally filed, do not introduce any new matter, and are hereby introduced

solely for purpose of exhibiting additional claimable embodiments available for the application as originally filed. Accordingly, Applicant respectfully requests consideration of new claims 46-53 upon review of this case.

### CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (360) 212-8052 to facilitate prosecution of this matter.

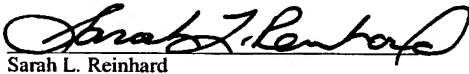
If necessary, please charge any additional fees or credit overpayment to the Deposit Account No. 08-2025.

"EXPRESS MAIL" mailing label number: EU364299532US

Date of Deposit: July 14, 2003

The undersigned hereby certifies that this paper and/or fee is being deposited via "Express Mail" on the date indicated above with the United States Postal Service pursuant to 37 C.F.R. 1.10, and is addressed to: Attn: MS PATENT APPLICATION, Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450,

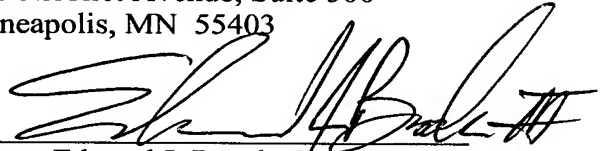
By:  
Name:

  
Sarah L. Reinhard

Respectfully Submitted,  
Brian C. Atkins, et al.

By their Representatives,  
E.J. BROOKS & ASSOCIATES, PLLC  
1221 Nicollet Avenue, Suite 500  
Minneapolis, MN 55403

By



Edward J. Brooks III  
Reg. No. 40,925

Date:

7/14/2003